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DIMERIZATION OF AROMATIC HALOGEN COMPOUND

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Abstract:

PURPOSE: To produce a biaryl compound in a high yield industrially and advantageously by dehalogenating and dimerizing an aromatic halogen compound by using a catalyst prepared by supporting a palladium compound on a carrier in the presence of a hydrohalogenic acid.

CONSTITUTION: An aromatic halogen compound (e.g., chlorobenzene) containing at least one halogen atom on an aromatic carbon is dehalogenated and dimerized in the presence of water, reducing agent (e. g., methanol or ethylene glycol) and a halogen acceptor (e.g., salt of alkali metal or alkaline earth metal) by using a catalyst prepared by supporting a palladium compound (e.g., tetrachloropalladium ammonium salt) on a carrier (especially preferably active carbon) as the catalyst to give a biaryl compound.

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